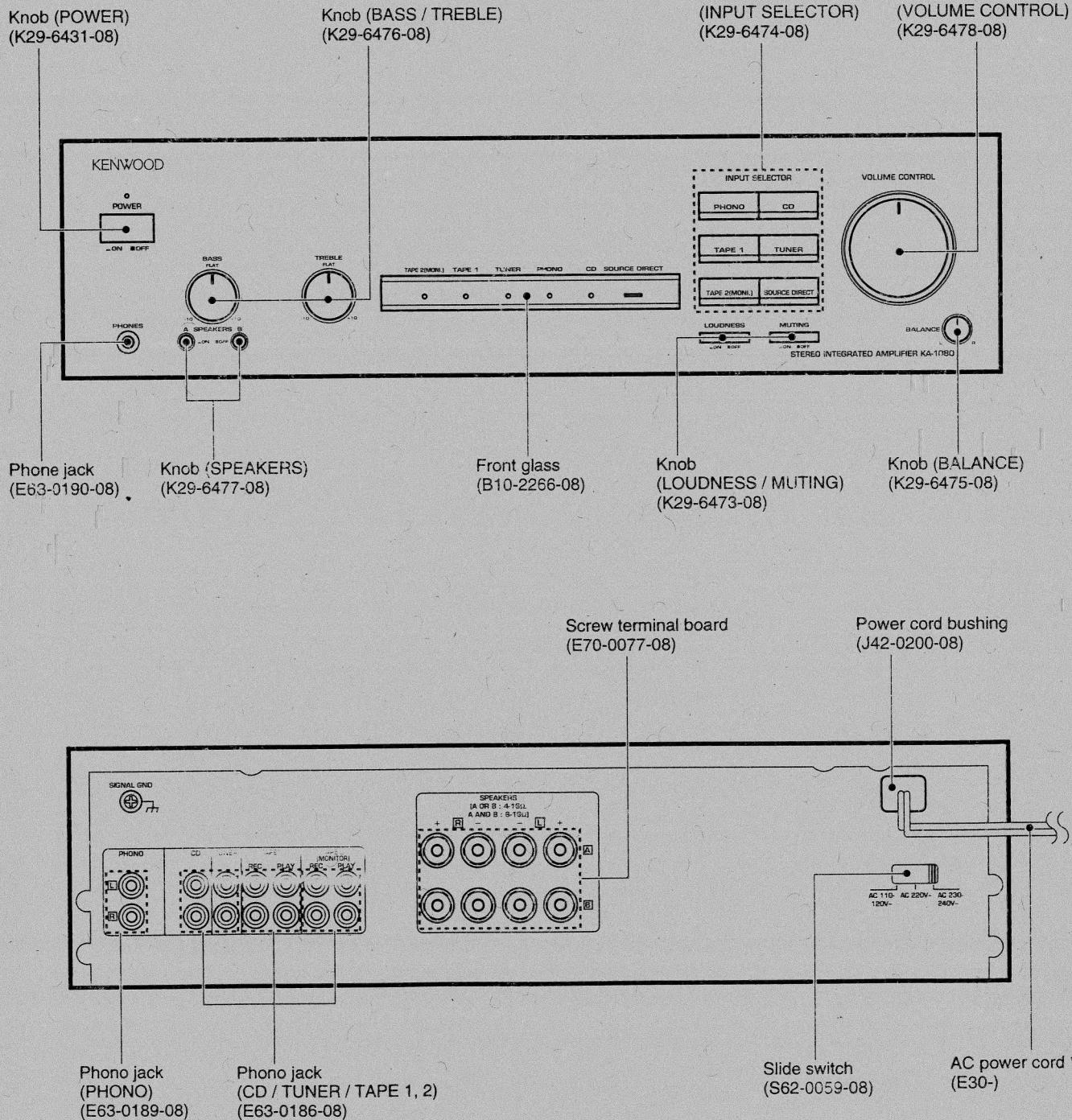


STEREO INTEGRATED AMPLIFIER
KA-1080
 SERVICE MANUAL

KENWOOD

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* Refer to parts list on page 14.

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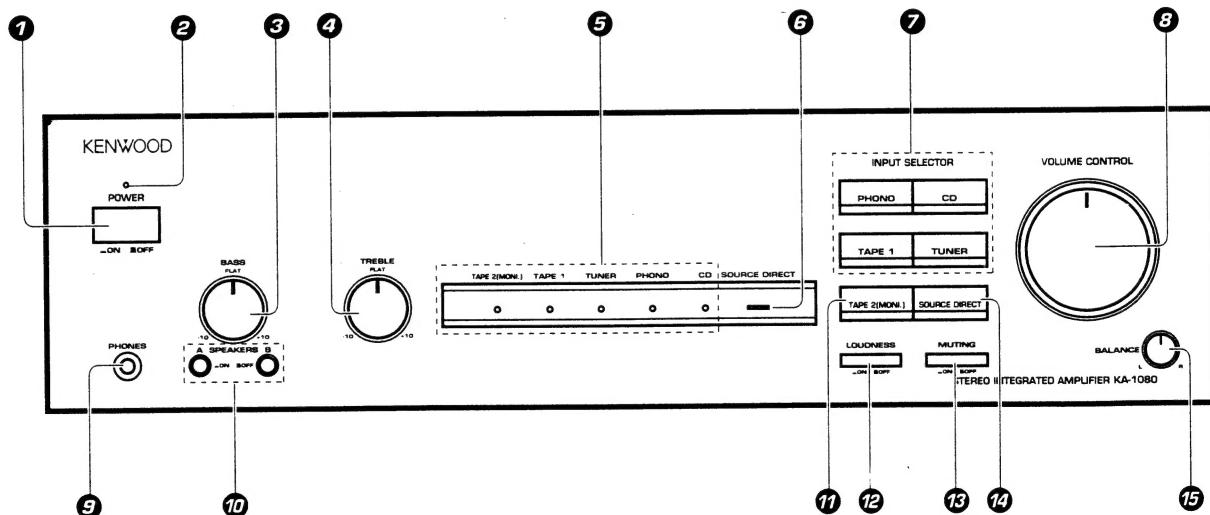
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Accessories

AC plug adaptor(1)
(E03-0115-05)
M type only



Controls



① POWER key

Press to turn on/off the power.

② POWER indicator

③ BASS knob

To adjust low frequencies.

④ TREBLE knob

To adjust high frequencies.

⑤ INPUT indicator

An indicator lights for the source selected with the INPUT SELECTOR keys.

⑥ SOURCE DIRECT indicator

⑦ INPUT SELECTOR keys

Press to select the input sources.

⑧ VOLUME CONTROL knob

Adjust the volume.

⑨ PHONES jack

Used for headphone listening.

⑩ SPEAKERS A/B switches

Press to select the A and/or B speaker systems.

⑪ TAPE 2(MONI.) key

Press to monitor the sound being recorded.

⑫ LOUDNESS key

Use to emphasize deep bass sounds.

⑬ MUTING key

Mute the sound temporarily.

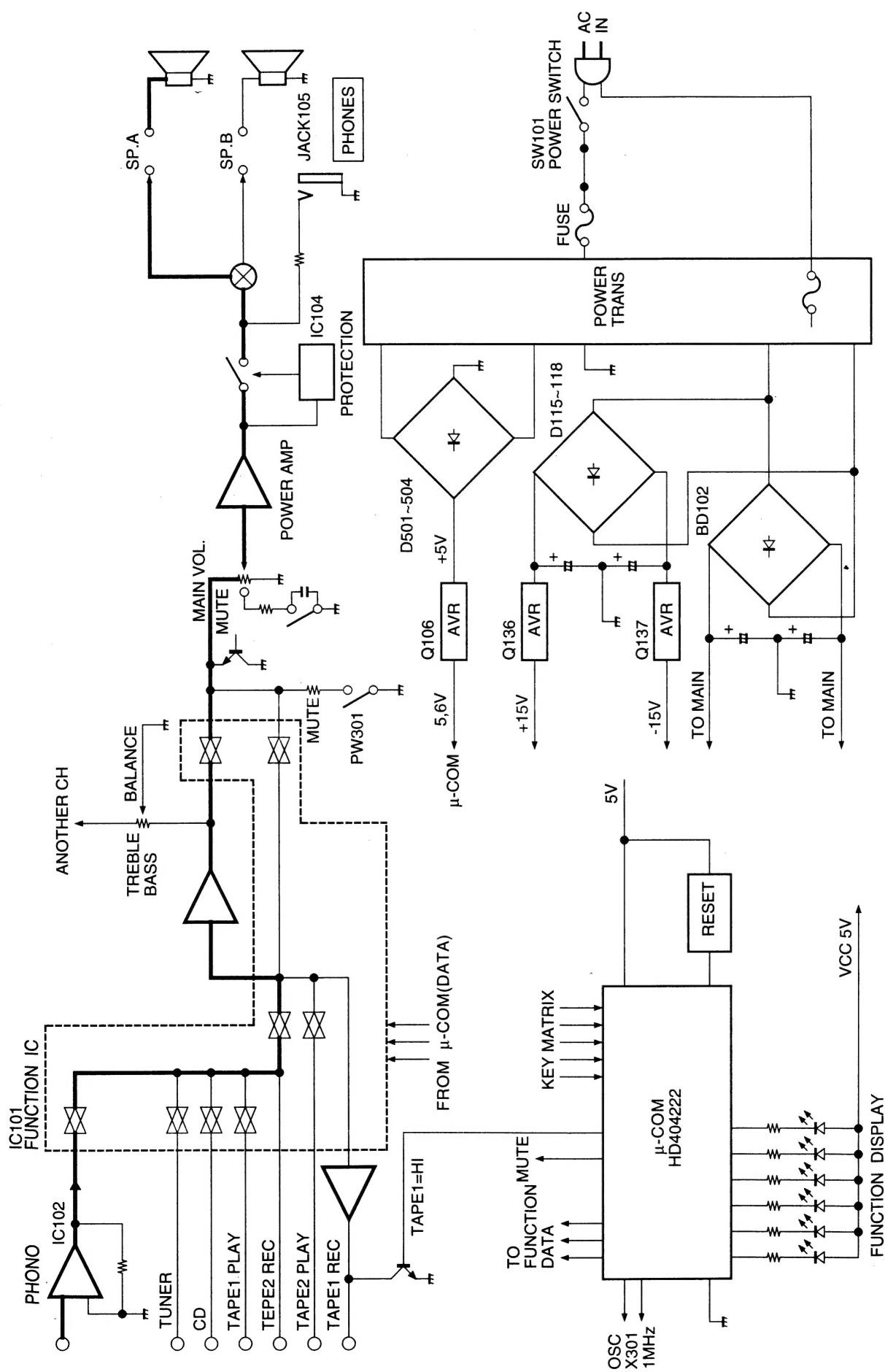
⑭ SOURCE DIRECT key

To listen to a source with high quality sound.

⑮ BALANCE knob

Adjust the volume balance between left and right.

BLOCK DIAGRAM

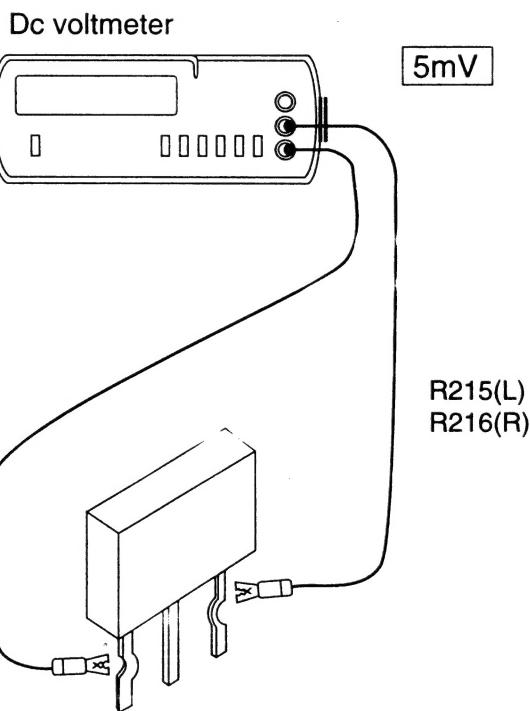


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ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following : POWER : ON SPEAKER : B SELECTOR : PHONO							
1	IDLE CURRENT	—	Connect a DC voltmeter between R215 (Lch), R216 (Rch). (MAIN PCB)	VOLUME : 0	VR101 (L) VR102 (R) (MAIN PCB)	5mV	(a)

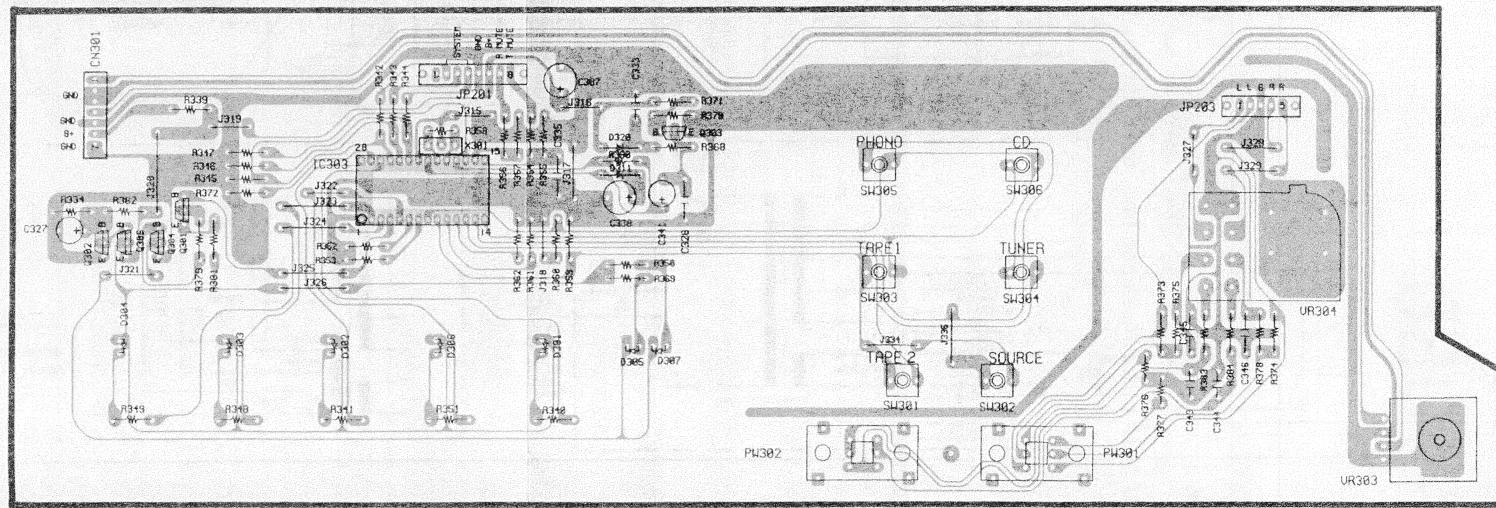
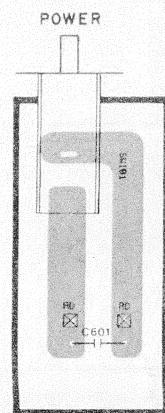
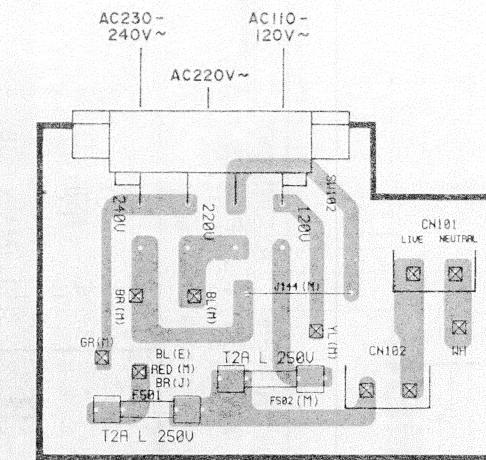
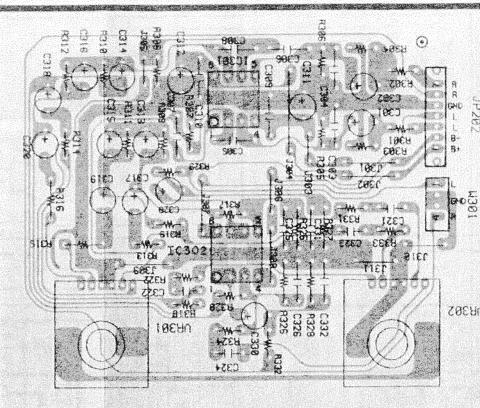
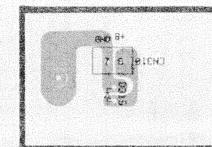
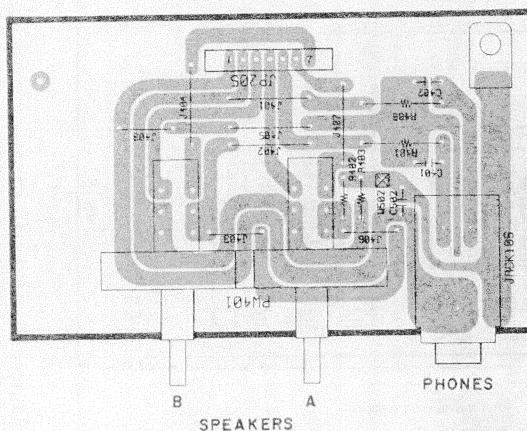
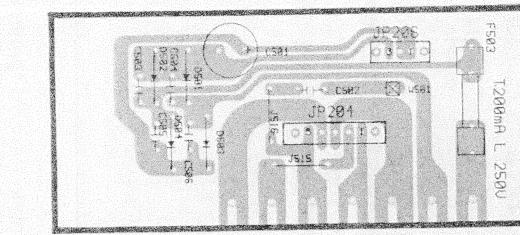
(a)



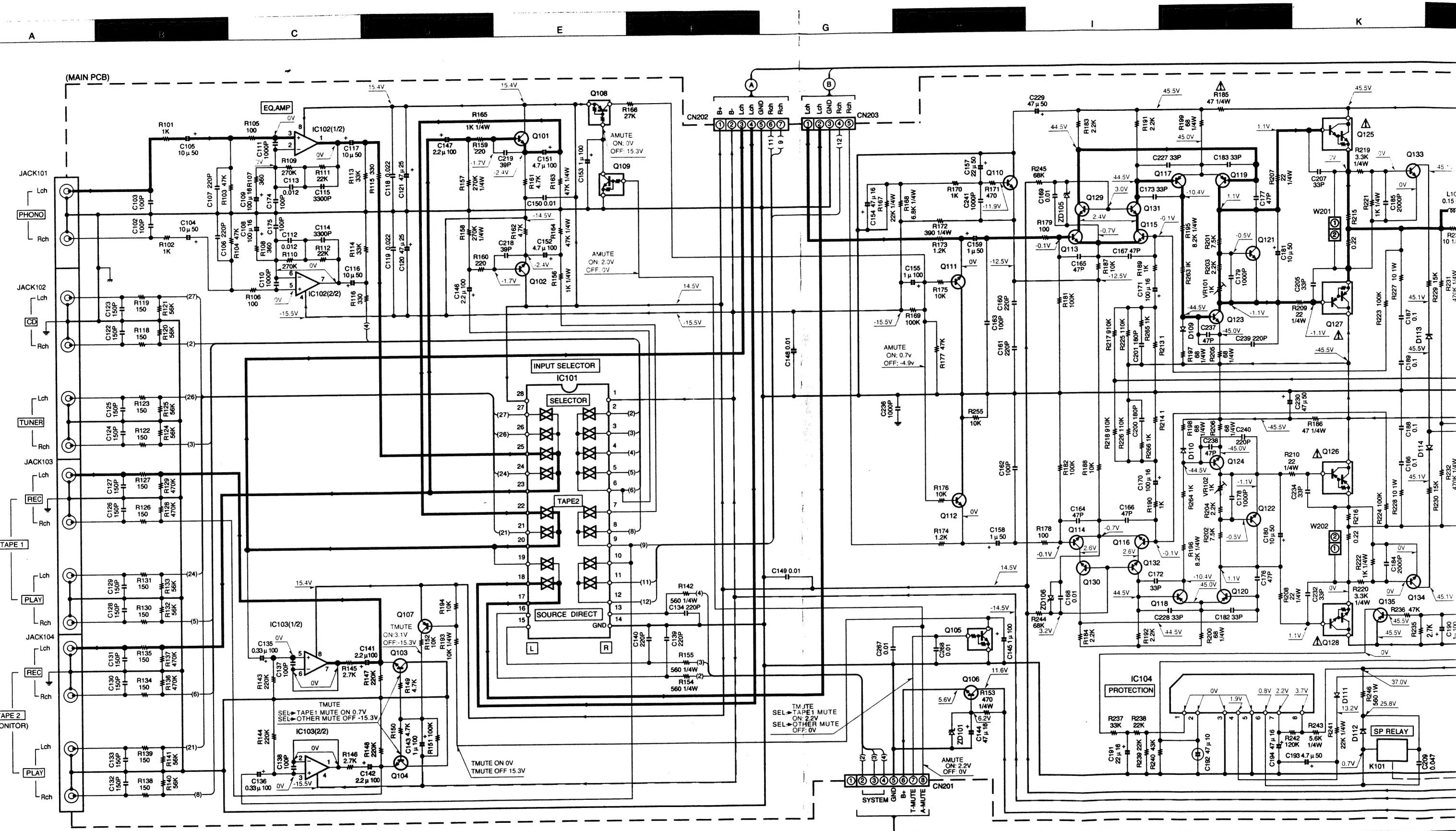
Caution :

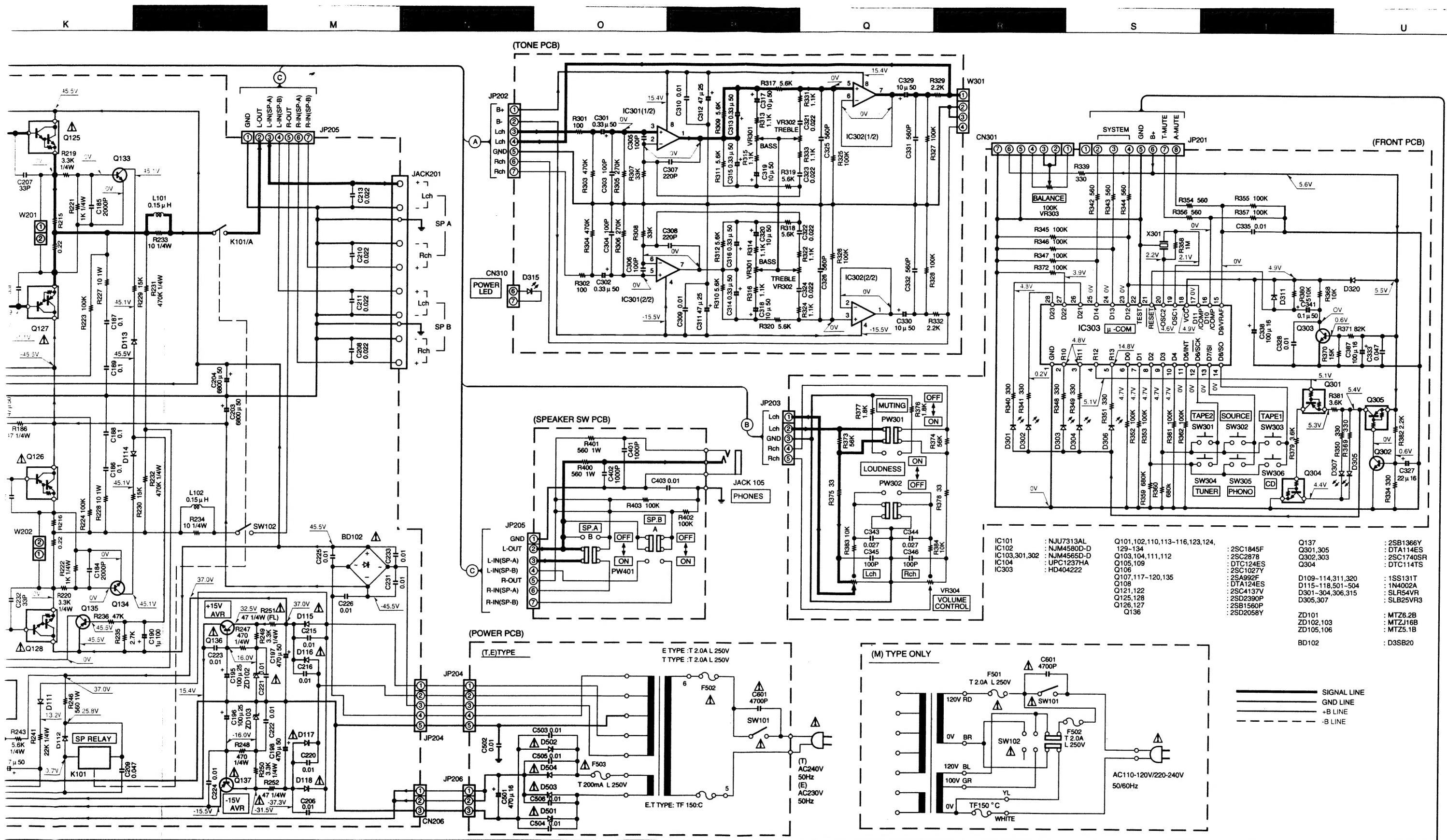
Signal ground floats from chassis ground. Please connect the cold lead of tester or oscilloscope to the cold terminal of speaker or input jack if check and/or measure the voltage. (Don't connect ground of unit.)

PC BOARD (Component side view)



Refer to the schematic diagram for the values of resistors and capacitors.

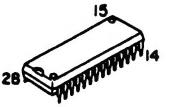




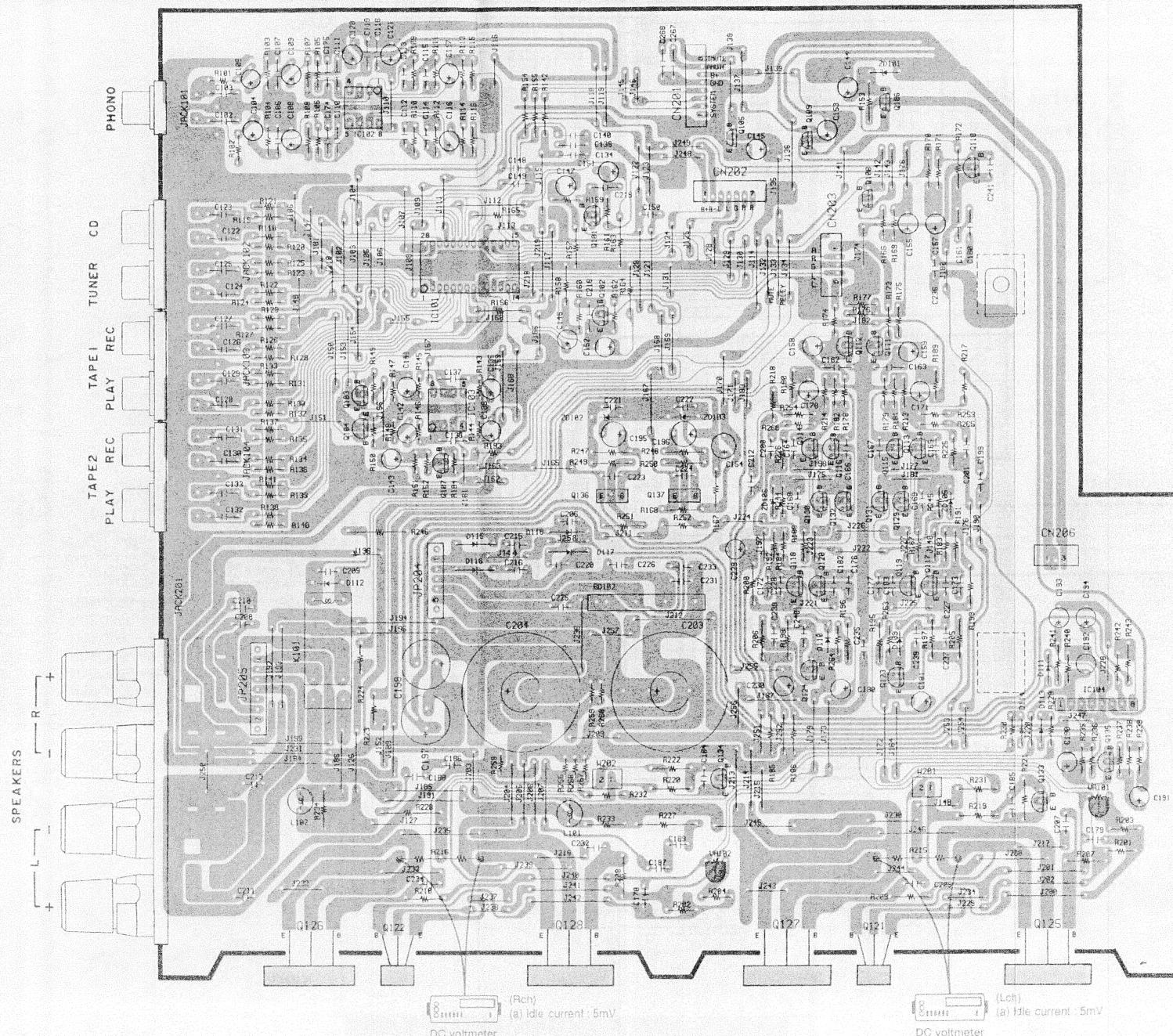
UPC1237HA



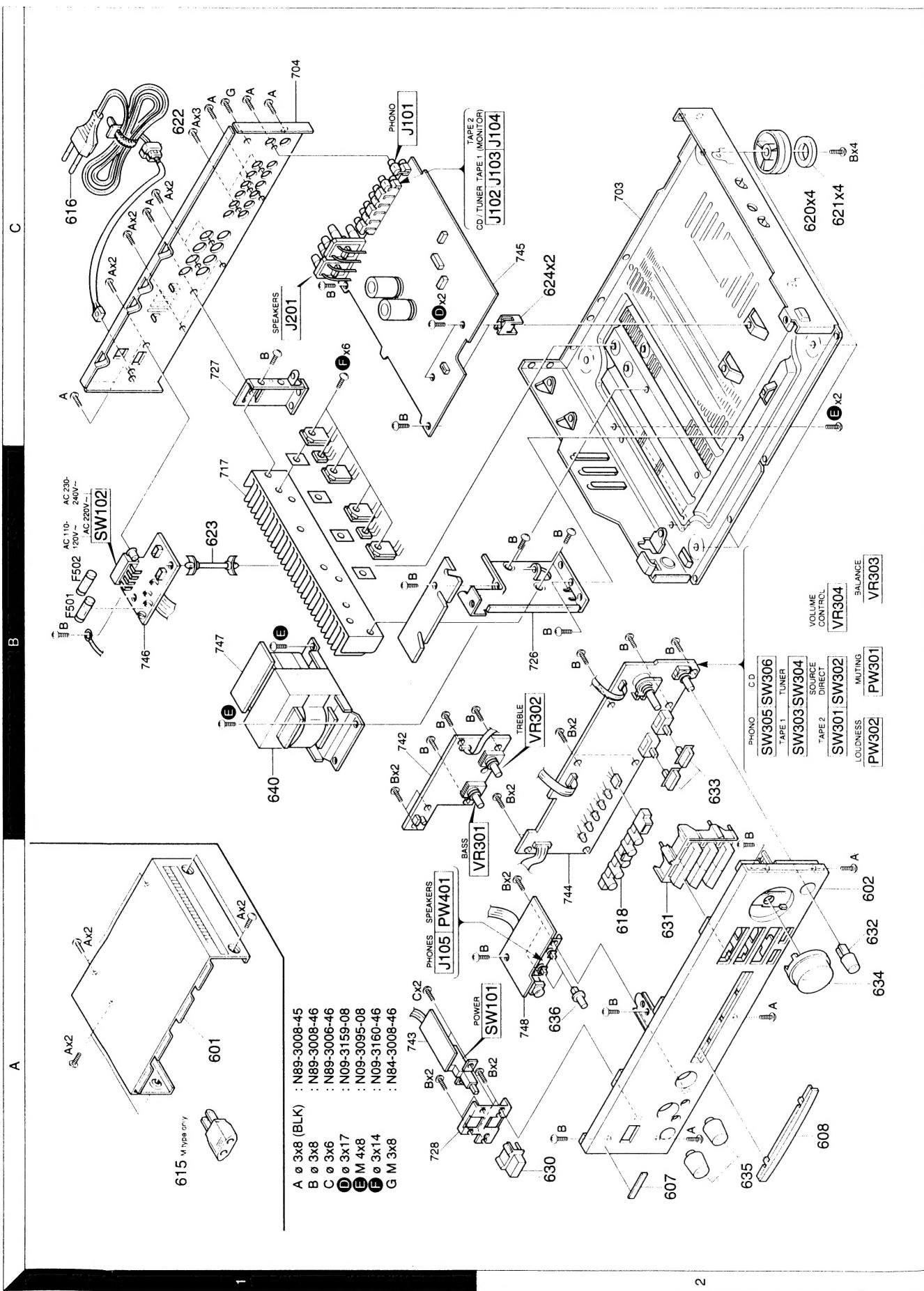
NJU7313AL



PC BOARD (Component side view)



EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

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PARTS LIST

2

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No	Add- ress	New Part	Parts No.	Description	Desti- nation	Re- marks
Ref. No	Add- ress	New Part	Parts No.	Description	Desti- nation	Re- marks
601	1A	*	A01-3357-08	METALLIC CABINET PANEL		
602	2A	*	A60-0998-08	KENWOOD BADGE FRONT GLASS		
607	2A	*	B43-0302-04	WARRANTY CARD	ET	
608	2A	*	B46-0310-03	INSTRUCTION MANUAL(EN)	T	
-	-	*	B60-2770-08	INSTRUCTION MANUAL(EN)	M	
-	-	*	B60-2771-08	INSTRUCTION MANUAL(EN)	M	
-	-	*	B60-2772-08	INSTRUCTION MANUAL(TW)	E	
-	-	*	B60-2773-08	INSTRUCTION MANUAL(TW)	M	
-	-	*	B60-2774-08	INSTRUCTION MANUAL(PO)	E	
615	1A	*	E03-0115-05	AC PURG ADAPTOR	M	
616	1A	*	E30-2718-08	AC POWER CORD	EM	
616	1C	*	E30-2799-08	AC POWER CORD	EM	
-	-	*	H50-2013-08	ITEM CARTON CASE	ET	
-	-	*	H10-7232-08	ITEM CARTON CASE	EM	
-	-	*	H25-1587-08	POLYSTYRENE FOAMED FIXTURE PROTECTION BAG(MANUAL)	EM	
-	-	*	H25-1587-08	POLYSTYRENE FOAMED FIXTURE PROTECTION BAG(MANUAL)	ET	
618	2A	*	J19-5724-08	HOLDER		
620	2B,2C	*	J02-1166-08	FOOT		
-	2C	*	J42-0200-08	CUSHION(FOOT)		
-	1C	*	J42-0200-08	POWER CORD BUSHING		
-	1B	*	J19-3631-08	UNIT HOLDER		
622	623	*	J19-5725-08	UNIT HOLDER		
624	2C	*	J19-5725-08	UNIT HOLDER		
630	2A	*	K29-6431-08	K1JOB POWER K1JOB INPUT SELECTOR		
631	2A	*	K29-6474-08	K1JOB BALANCE K1JOB LOUDNESS/MUTTING		
632	2A	*	K29-6475-08	K1JOB LOUDNESS/MUTTING		
633	2B	*	K29-6473-08	KNOB LOUDNESS/MUTTING		
634	2A	*	K29-6478-08	KNOB VOLUME CONTROL		
635	2A	*	K29-6476-08	KNOB BASS/TREBLE		
636	2A	*	K29-6477-08	KNOB SPEAKER AB		
640	1B	*	L07-2218-08	POWER TRANSFORMER	ET	
640	1B	*	L07-2219-08	POWER TRANSFORMER	M	
D			N09-3159-08	TAPITE SCREW M3X17		
E			N09-3095-08	TAPITE SCREW M4X8		
F			N09-3160-08	TAPITE SCREW M3X14		

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* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

KA-1080						
Ref. No	Add- ress	New Part	Parts No.	Description	Desti- nation	Re- marks
C102,103			C91-0745-05	CERAMIC ELECTRO	100PF 10UF 200PF 100UF 1000PF	
C104,105			CE04KWH100M	CERAMIC ELECTRO	50WV 50WV 16WV	
C106,107			C91-0749-05	CERAMIC ELECTRO	1000PF	
C108,109			C91-0750-05	CERAMIC ELECTRO	1000PF	
C110,111			CQ92FM1H123J	MYLAR	0.012UF	
C112,113			CQ92FM1H332J	ELECTRO	10UF 3000PF	J
C114,115			CE04KWH100M	CERAMIC ELECTRO	50WV 0.022UF	
C116,117			CK14FF1E232Z	CERAMIC ELECTRO	7UF 25WV	Z
C118,119			CE04KWH1470M	CERAMIC ELECTRO	150PF 220PF 0.33UF	K K 100WV
C120,121			C91-0747-05	CERAMIC ELECTRO	150PF 220PF 0.33UF	K K 100WV
C122,133			CE04KWH2A33M	CERAMIC ELECTRO		
C134			C91-0749-05	CERAMIC ELECTRO		
C135,136			CE04KWH2A33M	CERAMIC ELECTRO		

ELECTRICAL UNIT

C102,103			C91-0745-05	CERAMIC ELECTRO	100PF 10UF 200PF 100UF 1000PF	
C104,105			CE04KWH100M	CERAMIC ELECTRO	50WV 50WV 16WV	
C106,107			C91-0749-05	CERAMIC ELECTRO	1000PF	
C108,109			C91-0750-05	CERAMIC ELECTRO	1000PF	
C110,111			CQ92FM1H123J	MYLAR	0.012UF	
C112,113			CQ92FM1H332J	ELECTRO	10UF 3000PF	J
C114,115			CE04KWH100M	CERAMIC ELECTRO	50WV 0.022UF	
C116,117			CK14FF1E232Z	CERAMIC ELECTRO	7UF 25WV	Z
C118,119			CE04KWH1470M	CERAMIC ELECTRO	150PF 220PF 0.33UF	K K 100WV
C120,121			C91-0747-05	CERAMIC ELECTRO	150PF 220PF 0.33UF	K K 100WV
C122,133			CE04KWH2A33M	CERAMIC ELECTRO		
C134			C91-0749-05	CERAMIC ELECTRO		
C135,136			CE04KWH2A33M	CERAMIC ELECTRO		

L : Scandinavia
Y : PX(Far East, Hawaii)
Y : AA(FE(Europe))
T : Europe
E : Europe
X : Australia
M : Other Areas

R : Mexico
G : Germany

Δ indicates safety critical components.

KA-1080

SPECIFICATIONS

For U.K. and Europe

Continuous rated power output (DIN) 1 kHz	
at 8 Ω	60 W + 60 W
at 4 Ω	80 W + 80 W
(IEC / NF) From 63 Hz to 12,500 Hz, 0.7 % T.H.D.	
at 8 Ω	60 W + 60 W
at 4 Ω	80 W + 80 W
Damping factor	42 (50 Hz)
Total harmonic distortion	
.....0.06 % (40 Hz ~ 20,000 Hz, 30 W, 8 Ω)	
.....0.01 % (1 kHz, 60 W, 8 Ω)	
Frequency response (IHF'78)	
CD / TUNER / TAPE	10 Hz ~ 60 kHz, +0 dB, -3 dB
PHONO 'RIAA' response	20 Hz ~ 20 kHz, +1.0 dB, -1.0 dB
Maximum input level	
PHONO (MM)	100 mV, 0.5% T.H.D. at 1 kHz
Signal to noise ratio	
PHONO (MM)	70 dB (IHF '66)
CD / TUNER / TAPE	97 dB (IHF '66)
PHONO (MM)	57 dB (DIN, 50 mW output)
CD / TUNER / TAPE	60 dB (DIN, 50 mW output)
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 47 kΩ
CD / TUNER / TAPE	200 mV / 47 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
Loudness control	
VOLUME at -30 dB level	+9 dB (at 100 Hz)
Output level / impedance	
TAPE REC	200 mV / 220 Ω
General	
Power consumption	160 W
Dimensions	W : 440 mm
	H : 123 mm
	D : 395 mm
Weight (Net)	7.0 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrucker Str. 15, 63150 Heusenstamm, Germany

For other countries

Continuous rated power output (EIAJ) 1 kHz, 10 % T.H.D.	
at 8 Ω	80 W + 80 W
at 4 Ω	110 W + 110 W
(DIN / IEC)	
at 8 Ω	60 W + 60 W
at 4 Ω	80 W + 80 W
Damping factor	42 (50 Hz)
Total harmonic distortion	
.....0.06 % (40 Hz ~ 20,000 Hz, 30 W, 8 Ω)	
.....0.01 % (1 kHz, 60 W, 8 Ω)	
Frequency response (IHF'78)	
CD / TUNER / TAPE	10 Hz ~ 60 kHz, +0 dB, -3 dB
PHONO 'RIAA' response	20 Hz ~ 20 kHz, +1.0 dB, -1.0 dB
Maximum input level	
PHONO (MM)	100 mV, 0.5% T.H.D. at 1 kHz
Signal to noise ratio	
PHONO (MM)	70 dB (IHF '66)
CD / TUNER / TAPE	97 dB (IHF '66)
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 47 kΩ
CD / TUNER / TAPE	200 mV / 47 kΩ
Tone control	
BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
Loudness control	
VOLUME at -30 dB level	+9 dB (at 100 Hz)
Output level / impedance	
TAPE REC	200 mV / 220 Ω
General	
Power consumption	160 W
Dimensions	W : 440 mm
	H : 123 mm
	D : 395 mm
Weight (Net)	7.0 kg

Note:
Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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